

# 19990806H1. AXBT

AXBT and AXCP Check Sheet

Cline

Flight Number 990806H

AXBT/AXCP Contract Number \_\_\_\_\_

Take-off Time 17:20Z

Landing Time \_\_\_\_\_

Storm \_\_\_\_\_

SS7 MID

AXCP/ AXBT#/ Type	Channel Number	Drop dot Number	<del>Splash</del> Drop Time (HHMMSS)	<del>MLD end</del> Actual Drop Time (HHMMSS)	<del>Estimated</del> Lat. Deg. Min.	<del>Estimated</del> Long. Deg. Min.	<del>Actual</del> Lat. Deg. Min.	<del>Actual</del> Long. Deg. Min.	<del>Surface</del> Temp. AXBT IPT	<del>WED</del> (m)	Comments
BT 1	12	A	12:51:04	12:51:21	26 15	84 36	30 25	260 200	150		agrees w/ other
" 2	16	B	13:25:04	13:25:33	25 01	86 03	29.2 40	120 264	-		
" 3	16	C	13:43:00	13:43:35	24 29	86 51	29.2 51	142 246	~435		"Screen time" was wrong... depths are estimates at best
" 4	12	D	14:03:15	14:03:25	24 08	87 55	28.8 15	22 60	150		Outside LC east of 6C
" 5	16	E	14:15:43	14:15:50	24 25	88 34	28.1 10	18 74	142		~soft winds at 7000 ft
" 6	12	F	14:29:06	14:29:33	24 55	88 50	29.0 40	86 170	-		coldest SST measured in last flight
" 7	12	G	14:52:41	14:53:12	25 45	88 26	29.9 46	128 263	-		in coverage lost 1500 depth
" 8	16	H	15:00:25	15:00:45	26 10	88 14	29.5 30	130 258	-		~1100
" 9	16	I	15:26:10	15:26:20	27 06	87 46	29.4 15	91 177	258		add profile whole days ~26-18C
" 10	12	J	16:03:05	16:03:32	26 54	89 21	29.8 40	151 271	-		No 150C
" 11	16	K	16:13:43	16:14:04	26 43	89 55	28.8 30	82 142	249		*weird flicker BT in small ratio on other
" 12	12	L	16:44:27	16:45:54	27 05	90 33	29.5 40	108 170	353		
" 13	16	M	17:00:01	17:00:14	27 50	90 06	29.6 20	102 183	270		Sharp then drop below 20

"Time" probes

\*M = Magnavox; H = Hermes; S = Sippican.





#### **E.4 Boundary-Layer Scientist (On-Board)**

The on-board boundary-layer scientist (BLS) is responsible for data collection from AXBT's, AXCP's, BUOY's, and sea surface temperature radiometers (if these systems are used on the mission). Detailed calibration and instrument operation procedures are contained in the air-sea interaction (ASI) manual supplied to each operator. General supplementary procedures follow. (Check off and initial.)

##### **E.4.1 Preflight**

- \_\_\_\_\_ 1. Determine the status of equipment and report results to the on-board lead project scientist (LPS).
- \_\_\_\_\_ 2. Confirm mission and pattern selection from the on-board LPS.
- \_\_\_\_\_ 3. Select the mode of operation for instruments after consultation with the HRD/BLS and the on-board LPS.
- \_\_\_\_\_ 4. Complete appropriate preflight check lists as specified in the ASI manual and as directed from the on-board LPS.

##### **E.4.2 In-Flight**

- \_\_\_\_\_ 1. Operate the instruments as specified in the ASI manual and as directed by the on-board LPS.

##### **E.4.3 Postflight**

- \_\_\_\_\_ 1. Complete summary check list forms and all other appropriate check list forms.
- \_\_\_\_\_ 2. Brief the on-board LPS on equipment status and turn in completed check lists to the LPS.
- \_\_\_\_\_ 3. Debrief as necessary at the appropriate operations center (FGOC or MGOC).
- \_\_\_\_\_ 4. Determine the status of future missions and notify appropriate operations center (FGOC or MGOC) as to where you can be contacted.

#	Probe / freq	$\phi$	$\lambda$	
1	BT-2 ✓	26° 15'	84° 35'	FP
2	<del>CTD</del> CP-2 ✓	25° 50'	85° 15'	
3	CP-4 ✓	25° 30'	85° 40'	NG
4	BT-6 ✓	25° 05'	86° 05'	
<del>5</del>	CP-2 ✓	24° 50'	86° 25'	NG
6	BT-6 ✓	24° 30'	86° 50'	
7	CTD-4 ✓	24° 05'	87° 20'	noisy (in run)
<del>8</del>	CP-6 ✓	24° 00'	87° 30'	NG (1)
9	BT-2 ✓	24° 10'	87° 55'	
10	BT-6 ✓	24° 20'	88° 30'	
<del>11</del>	CTD-4 ✓	24° 35'	89° 00'	(2) noisy below 400m
12	BT-2 ✓	24° 55'	89° 50'	
<del>13</del>	CP-6 ✓	25° 10'	88° 45'	OK noisy
<del>14</del>	CP-4 ✓	25° 25'	88° 40'	noisy signal
15	BT-2 ✓	25° 45'	88° 30'	
16	BT-6 ✓	26° 10'	88° 15'	
<del>17</del>	CP-2 ✓	26° 35'	88° 05'	new (HRID) MX-10 receiver installed
18	BT-6 ✓	27° 05'	87° 45'	
19	CTD-6 ✓	27° 35'	87° 30'	NG (3)
20	CTD-2 ✓	27° 20'	88° 20'	
21	CP-6 ✓	27° 10'	88° 55'	
22	BT-2 ✓	27° 00'	89° 15'	
<del>23</del>	<del>CTD-4</del>	<del>26° 55'</del>	<del>89° 40'</del>	
24	BT-6 ✓	26° 50'	89° 55'	
25	CP-4 ✓	26° 40'	90° 15'	
26	CP-2 ✓	26° 35'	90° 35'	
27	CTD-4 ✓	26° 20'	91° 00'	(4)
28	CP-6 ✓	26° 50'	90° 45'	
29	BT-2 ✓	27° 05'	90° 35'	

X 29	CTD-4 ✓	27° 25'	90° 20'
30	BT-6 ✓	27° 50'	90° 05'
X 31	CTD-6 ✓	28° 00'	89° 45'
X 32	CP-2 ✓	27° 45'	89° 45'
X 33	BT-6 ✓	27° 25'	89° 40'
X 34	CTD-4 ✓	26° 55'	89° 35' NG
X 35	CP-6 ✓	26° 25'	89° 35'
X 36	CP-4 ✓	26° 10'	89° 30'
X 37	CTD-2 ✓	<del>26° 20'</del> 25° 50'	89° 30' (6)
X 38	CP-4 ✓	26° 00'	89° 10'
X 39	CP-2 ✓	26° 05'	89° 00'
X 40	CTD-6 ✓	26° 15'	89° 20'
X 41	CP-2 ✓	26° 35'	<del>87°</del> 87° 25'
X 42	BT-6 ✓	26° 50'	87° 00'
X 43	CTD-2 ✓	27° 00'	86° 25' (7)
X 44	CP-6 ✓	26° 25'	86° 30'
X 45	BT-2 ✓	26° 05'	86° 35'
X 46	BT-2 ✓	25° 45'	86° 40'
X 147	CTD-6 ✓	25° 30' 25'	86° 45'
X 148	CTD-6 4 ✓	<del>24° 30'</del> 24° 50'	<del>86° 20'</del> 86° 25' (9)
X 149	CTD-A 6 ✓	<del>24° 50'</del> 25° 05'	<del>85° 50'</del> 86° 05'
X 150	BT-2 CP-4 ✓	<del>25° 15'</del> 25° 30'	<del>85° 25'</del> 85° 40' died at 300m
X 151	CTD-2 ✓	<del>25° 35'</del> 25° 50'	<del>85° 00'</del> 85° 15'
X 152	CP-4 BT-2	<del>25° 50'</del> 26° 00'	<del>84° 45'</del> 84° 55'

Friday 7 Aug

① MAC DELL

① IP 2615 ~~8575~~ 8435

② 2400 ~~8845~~ 8730

③ 2435 8900

④ 2735 8730

⑤ 2620 9100

⑥ 2820 8950

⑦ ~~2505~~ ~~8920~~ 2550 8930

⑧ 2720 8655 2700 8625

⑨ 2515 8655

⑩ 2430 8620

⑪ 2535 ~~8455~~ 8455

⑫ MAC DELL